

## UDP-2,3-diacylglucosamine diphosphatase

Cat. No. EXWM-4626

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses a step in the biosynthesis of lipid A.

#### Synonyms

UDP-2,3-diacylglucosamine hydrolase; UDP-2,3-diacylglucosamine pyrophosphatase; ybbF (gene name); lpxH (gene name); UDP-2,3-bis[(3R)-3-hydroxymyristoyl]- $\alpha$ -D-glucosamine 2,3-bis[(3R)-3-hydroxymyristoyl]- $\beta$ -D-glucosaminyl 1-phosphate phosphohydrolase (incorrect)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.6.1.54

#### Reaction

UDP-2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]- $\alpha$ -D-glucosamine + H<sub>2</sub>O = 2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]- $\alpha$ -D-glucosaminyl 1-phosphate + UMP

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.